

Abstract Of The Disclosure

The present invention is directed to the method of extruding a thermoplastic co-polyester EMA (ethyl methyl acrylate) blended film at temperatures well above the melt temperature of the base thermoplastic co-polyester, the co-polyester/EMA film having enhanced barrier properties. Notably, the present invention contemplates extrusion of co-polyester compounds onto suitable substrates without the need to employ antioxidant compounds in the molten polymer material.

A further aspect of the present invention entails a film comprising an EMA and co-polyester thermoplastic admixed with a compatibilizer and extruded at a temperature at least 10% higher than the melt temperature, which in turn provides the co-polyester film with durable adhesive properties in addition to good breathability as measured by moisture vapor transmission rate (MVTR).